

IN THE CLAIMS

Claim 1 has been amended as follows:

1. (Currently Amended) A catheter for magnetic navigation in a human body by interacting with an external magnetic field, said catheter comprising:

an elongated catheter body terminating in a catheter tip;

a magnet disposed at said catheter tip adapted to interact with said external magnetic field to move said catheter to a desired position in a human body; and

a plurality of separated, independently controllable electromagnets disposed along said catheter body; and

a current supply connected to said plurality of electromagnets to supply respective currents thereto to cause said plurality of electromagnets with current supplied thereto to exhibit respectively different magnetic moments.

2. (Original) A catheter as claimed in claim 1 wherein said magnet at said catheter tip is a permanent magnet.

3. (Original) A catheter as claimed in claim 1 wherein said magnet at said catheter tip is an electromagnet.

Claim 4 has been amended as follows:

4. (Currently Amended) A catheter as claimed in claim 1 wherein said current supply supplies said plurality of electromagnets ~~are respectively controlled~~ with respective ~~[[a]]~~ synchronously-clocked ~~current~~ currents.